Seminars
Graduate Students

Dr. Sebastian Eterovic (University of Leeds)

will give a series of seminars on

Title: Three Conjectures About Exponentiation

Abstract: We will discuss three important problems about exponentiation and the progress that has been made. In the first lecture we will discuss Schanuel's conjecture from transcendental number theory, as well as an important result of Ax proving the functional version of the conjecture. In the second lecture we will discuss the exponential algebraic closedness conjecture, a sort of Hilber Nullstellensatz for systems of exponential-polynomial equations. In the third lecture we will talk about the Zilber-Pink conjecture for algebraic tori from Diophantine geometry. Finally, in the fourth lecture we will see how these conjectures interact with each other.

The lectures will be mostly self contained, we will assume only basic things from logic, algebra and complex analysis.

Timetable:

30 October 14:30 - 16:00   classroom A
7 november   14:30 - 16:00   classroom G
12 november 15:00 – 16:30 seminar classroom
14 november 14:30 - 16:00   seminar classroom

Everyone who is interested is welcome.

La responsabile

Paola D'Aquino
Coordinator graduate program

Caserta 28.10.2024